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(71) Applicant (for all designated States except US):
CARGILL, INCORPORATED [US/US]; 15407 McGinty Road West, Wayzata, MN 55391 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **COOK, David, Alan [US/US]**; 1323-130th Lane, Coon Rapids, MN 55448 (US). **NEWCOMB, Mark, David [US/US]**; 7950 Egret Drive, Independence, MN 55359 (US). **BEAVER, Michael, James [US/US]**; 8767 Ridge Ponds Road, Victoria, MN 55386 (US).

(74) Agents: **TUROSKI, Christopher, M. et al.**; Cargill, Incorporated, 15407 McGinty Road West, Wayzata, MN 55391 (US).

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(54) Title: ANIMAL FEED COMPOSITIONS

(57) Abstract: The present invention disclosure describes a certain isoflavone-enhanced domestic animal feed compositions and methods of producing such feed compositions. In one particular implementation, a feed composition includes a soy meal that is no more than about (20) weight percent of the feed composition. This soy meal has a soy isoflavone content that provides the feed composition with a soy isoflavone concentration, normalized to an aglycone content of about 250-1400 parts per million on a weight basis (ppm), e.g., about 800-1200 ppm. Feed compositions in certain adaptations have demonstrated some advantages over feeds with isoflavone contents outside these ranges.